COUNTY OF SAN DIEGO • DEPARTMENT OF PLANNING AND LAND USE
BUILDING DIVISION

SAN DIEGO (COUNTY) AREA
CIRCUIT CARD AND LOAD SUMMARY
(1999 NEC) DEPARTMENT OF PLANNING AND LAND USE – BUILDING DIVISION

THIS CARD MUST BE FILLED OUT AND AVAILABLBE AT THE SERVICE EQUIPMENT FOR THE ROUGH INSPECTION

Address:		Permit Number:
Owner:	Phone:	Census Tract Number:
Contractor:	Phone:	Area in Sq. Ft.

PANEL: _____ _____ A.I.C. _____ VOLTS _____ Ø _____ WIRE

LOCATION	CKT	BKR SIZE	WIRE SIZE	WIRE TYPE	MISC	LTG	REC	REC	LTG	MISC	WIRE SIZE	WIRE TYPE	BKR SIZE	CKT	LOCATION
	1													2	
	3													4	
	5													6	
	7													8	
	9													10	
	11													12	
	13													14	
	15													16	
	17													18	
	19													20	
	21													22	
	23													24	
	25													26	
	27													28	
	29													30	
	31													32	
	33													34	
	35													36	
	37													38	
	39													40	
	41													42	

MAIN: ☐ _____ AMP BRK/FUSE ☐ MLO
BUS: _____ AMP
Service entrance or feeder conductors:
A) Size: No. _____ B) Type: ☐ CU ☐ AL
C) Insulation: _____ D) Conduit Size: _____
Service ground/bond:
A) Size: No. _____ B) Type: ☐ CU ☐ AL
C) Clamp location(s):
☐ UFER 250 – 50(c)
☐ Water Pipe 250 – 104
☐ Ground Rod 250 – 52
☐ _____
GFCI locations 210 – 8, 680 – 70:
☐ Bathroom(s) ☐ Kitchen
☐ Garage(s) ☐ Hydromassage Tub
☐ Outdoors ☐ _____
AFCI Protected Circ. 210 – 12
☐ Bedroom(s)

Computed Load _____ AMPS
See Calculation Worksheet on back

Branch circuits required:

A) Lighting Circuits	220 – 3(b), 4(d)
B) Two Small Appliance Circuits	210 – 11(e)
C) Laundry Circuit	220 – 16(b)
D) Central Heating Equipment	422 – 12
E) Bathroom	210 - 52(d)

Remarks: _____

I certify that all terminations have been torqued in accordance with manufacturer's instructions and that the work shown on this circuit card represents the full extent of the work performed under this permit.

☐ Owner _____
☐ Contractor _____
Signed _____ Date _____

5201 RUFFIN ROAD, SUITE B, SAN DIEGO, CA 92123-1666 ● (858) 565-5920 ● (888) 336-7553
200 EAST MAIN ST.- SIXTH FLOOR, EL CAJON, CA 92020-3912 ● (619) 441-4030
338 VIA VERA CRUZ - SUITE 201, SAN MARCOS, CA 92069-2620 ● (760) 471-0730

SINGLE FAMILY DWELLING
ELECTRICAL SERVICE LOAD CALCULATION

OPTIONAL METHOD NEC 220-30

As an alternative method, the STANDARD METHOD found in ARTICLE 220 of the National Electric Code, may be used

1. GENERAL LIGHTING LOADS

Dwelling _____ sq. ft. x 3 VA = 220-3(a) _____ VA
Small appliance loads – 220-16(a) 1500 VA x _____ circuits = _____ VA
Laundry load – 220-16(b) 1500 VA x _____ circuits = _____ VA
General Lighting Total _____ VA

2. COOKING EQUIPMENT LOADS – Nameplate Value

Range _____ VA = _____ VA
Cooktop _____ VA = _____ VA
Oven (s) _____ VA = _____ VA
Cooking Equipment Total _____ VA

3. ELECTRIC DRYER 220-18 (Nameplate, 5000 VA minimum)

Dryer _____ VA = **Dryer Total _____ VA**

4. FIXED APPLIANCE LOADS 230-30 (b) (3)

Dishwasher = _____ VA
Disposal = _____ VA
Compactor = _____ VA
Water Heater = _____ VA
Hydromassage Bathtub = _____ VA
Microwave Oven = _____ VA
Built-in Vacuum = _____ VA
_____ = _____ VA
Fixed Appliance Total _____ VA

5. OPTIONAL SUBTOTAL (Add all of the above totals) **_____ VA**

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6. APPLYING DEMAND FACTORS – TABLE 220-30

First 10,000 VA x 100% = 10,000 VA

Optional Subtotal (from line 5) **{** Remaining _____ VA x 40%= _____ VA

7. HEATING OR AC LOAD – TABLE 220-30

Larger of the Heating or AC Load = _____ VA

8. OPTIONAL LOADS TOTAL (Add totals from lines 6 and 7) = _____ VA

9. MINIMUM SERVICE SIZE = <u>Optional Loads Total</u> = _____ Ampere
240 Volt

(Please put total on front of card under Computed Load)